Iman Soltani Bozchalooi

List of Publications by Year
in descending order

13 papers	**898** citations	933447 **10** h-index	1199594 **12** g-index
13 all docs	**13** docs citations	**13** times ranked	**1009** citing authors

#	Article	IF	Citations
1	A smoothness index-guided approach to wavelet parameter selection in signal de-noising and fault detection. Journal of Sound and Vibration, 2007, 308, 246-267.	3.9	193
2	Performance comparison of neural network training algorithms in modeling of bimodal drug delivery. International Journal of Pharmaceutics, 2006, 327, 126-138.	5.2	183
3	An energy operator approach to joint application of amplitude and frequency-demodulations for bearing fault detection. Mechanical Systems and Signal Processing, 2010, 24, 1473-1494.	8.0	155
4	A joint resonance frequency estimation and in-band noise reduction method for enhancing the detectability of bearing fault signals. Mechanical Systems and Signal Processing, 2008, 22, 915-933.	8.0	108
5	High-Bandwidth AFM-Based Rheology Reveals that Cartilage is Most Sensitive to High Loading Rates at Early Stages of Impairment. Biophysical Journal, 2013, 104, 1529-1537.	0.5	90
6	Aggrecan Nanoscale Solid–Fluid Interactions Are a Primary Determinant of Cartilage Dynamic Mechanical Properties. ACS Nano, 2015, 9, 2614-2625.	14.6	61
7	Design and control of multi-actuated atomic force microscope for large-range and high-speed imaging. Ultramicroscopy, 2016, 160, 213-224.	1.9	31
8	Compensator design for improved counterbalancing in high speed atomic force microscopy. Review of Scientific Instruments, 2011, 82, 113712.	1.3	23
9	Multi-actuation and PI control: A simple recipe for high-speed and large-range atomic force microscopy. Ultramicroscopy, 2014, 146, 117-124.	1.9	20
10	Multi-eigenmode control for high material contrast in bimodal and higher harmonic atomic force microscopy. Nanotechnology, 2015, 26, 235706.	2.6	18
11	Memory-Augmented Generative Adversarial Networks for Anomaly Detection. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 2324-2334.	11.3	7
12	Development of a stability-indicating high performance liquid chromatography method for assay of erythromycin ethylsuccinate in powder for oral suspension dosage form. Arabian Journal of Chemistry, 2014, 7, 1079-1085.	4.9	6
13	Estimator based multi-eigenmode control of cantilevers in multifrequency Atomic Force Microscopy. , 2015, , .		3